

# PHILIPS

Philips Lighting Components

YOUR PARTNER IN BUSINESS

事业的伙伴

飞利浦照明材料事业部

Philips Lighting is the world leader in lighting, renowned for innovation and technology breakthroughs. Philips Lighting Components, a business unit of Philips Lighting is a major supplier to the worldwide lighting and lighting-related industries.

Philips Lighting Components is a company that manufactures reliable, innovative, high quality, non-electronic lighting components. The strength of the company lies in the overall know-how and expertise. It is based on over 110 years of Philips experience in the development and production of incandescent, fluorescent and discharge tube lamps and related components. This know-how also forms the basis of our excellent service. We offer our customers technical support in developing tailor-made applications and provide assistance with the actual lamp manufacturing process. This set of specialties next to our high quality components, helps us to add value to your business and is what makes Philips Lighting Components truly unique in the world.

作为飞利浦公司支柱产业之一的飞利浦照明，多年来凭借着在科技市场策略上的不断更新，迄今已取得了世界市场上的领导地位。

材料事业部是飞利浦照明全资附属公司。作为全球重要的照明及照明相关材料供应商，飞利浦照明材料事业部一直致力于生产质量精良和技术含量高的照明材料(非电子类)。材料事业部有超过110年的生产和开发用于白炽灯、荧光灯和高强度气体放电灯等灯用材料的历史。公司拥有雄厚的技术和生产实力，并以此为客户提供优质服务，可以根据客户需要设计并生产由客户而定的照明材料，还可以提供材料应用的实际工艺支持。飞利浦照明材料事业部独一无二的特色就是我们能为你的产品提供切实的技术支持和性能超群的原材料，使您的产品具有更高的附加值和市场竞争力。

# TL&CFL 荧光灯灯用材料

**Philips is the inventors of T5 fluorescent lamp concept**

飞利浦是T5荧光灯的发明者

**We offer high quality components (phosphor, coil, emitter) to realize superior lamp performance, life time, light output and maintenance, etc.**

我们生产并提供优质的灯用材料(荧光粉, 灯丝和电子粉)能确保荧光灯的性能超群

**We developed specific component for high power covered CFL lamps, as well color 90 lamps**

我们也开发和生产用于高功率带罩节能灯的原材料, 同时也生产高显色指数(>90)荧光灯的荧光粉

## Phosphor 三基色荧光粉

A full range of triband /80, /90 phosphors for TLD, T5 and CFL applications

拥有全系列的生产T8,T5和节能灯(显色指数80和90)的三基色荧光粉

Fine phosphor particles distribution

优良的荧光粉颗粒分布

Excellent single and double peak of blue component

优良的单发光峰值和双发光峰值蓝色荧光粉

Excellent maintenance performance

卓越的光衰维持特性



## Marking ink 印泥

Good scratch resistance

抗擦拭性能优良

Easy to apply

方便应用

Good Contrast

对比度好



## Caps 直管荧光灯和节能灯灯头

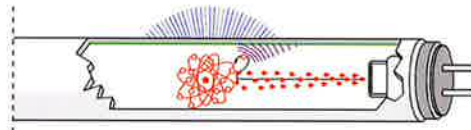
Dedicated design caps for T5 and CFL.

专为T5荧光灯和节能灯设计的灯头

Advanced production process/facility to

ensure quality consistency

先进的生产工艺和设备优良品质



## Emitter for TL/CFL 荧光灯用电子粉

Advanced production process to ensure quality consistency.

先进的生产工艺和优良品质

Full range of choices. Ba/Sr/Ca ratio, solid content and solvent.

多种选择(氧化物配比, 固体含量和溶剂)

For long life time lamps

延长灯寿命



## Resin cement 荧光灯灯用灯头泥

Guaranty of the torque strength during life

保证灯寿命过程的扭力强度

High temperature resistance

耐高温

Different levels of fluidity for different applications,

多种流动性



## Glow switch 节能灯跳泡

Innovative design

技术领先的设计

Lead free glass

无铅玻璃

Support energy saving system

支持节能照明系统

Advanced production process/facility for superior quality

先进生产工艺和设备优良的品质

## Coils 灯丝

Dedicated designed coils for TLD, T5 and high end CFL

专为T8,T5荧光灯和高端节能灯设计的灯丝

Advanced production process/facility

先进生产工艺和设备

World leading manufacturer and innovator

全球领先的技术和生产厂商

Environmental friendly production (full recycling on pickling)

环保型生产(全面回收式酸洗工艺)

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# HID 高强度气体放电灯用材料

**We are the leading innovator and producer of components for HID lamps.**

我们在高强度气体放电灯灯用材料的开发和生产领域处于领先地位

**We manufacture high quality components to secure lamp performance, focusing on life time and reliability.**

我们生产优质的灯用材料能确保灯的性能——寿命和可靠性

**We provide full range of HID components**

我们能生产并提供所有用于高强度气体放电灯的灯用材料

## Frits rings 陶瓷密封环

Thermal expansion coefficient consistent with PCA discharge tube and niobium feed-through  
热膨胀系数与多晶氧化铝管和钨管一致。  
Resistant to high temperatures (melting temperature 1300-1350° C for HPS rings)  
耐高温(高压钠灯用陶瓷密封环的熔化温度达1300-1350度)  
Resistant to aggressive chemicals of the lamp atmosphere  
耐灯内化学成分的腐蚀



## Quartz 石英玻璃

PH300 clear fused quartz and PH361 UV block quartz  
卤钨灯用PH300石英玻璃和PH361滤紫外石英玻璃  
High transmission in visible region  
可见光区域高透射率  
Controlled blocking of harmful UV-light (PH361)  
选择性过滤有害的紫外线  
Low optical distortion  
低光学失真率  
Tight dimension tolerance  
高尺寸精度



## Moly wire and foil 钼箔(钼丝)

Superior welding property  
卓越的焊接特性  
Philips patented material  
飞利浦专利产品  
A life time guarantee  
灯使用寿命的安全保障



## HID electrode 高强度气体放电灯用电极

Wide range  
规格齐  
Very high reliability  
性能可靠  
Resistant to shock & vibration  
抗震动



## PCA 高压钠灯陶瓷管

Advanced know-how on ceramic product for lighting application  
拥有开发生产照明用陶瓷材料的先进技术  
High light transmission and lumen maintenance  
高透光率和高光通维持率  
Extreme high dimension control --> high reliability of gas tightness  
严格的尺寸精度控制-->稳定可靠的气密性能  
High sodium resistance--> long life time  
卓越的抗钠性能-->确保超长寿命



## SON glow switch 高压钠灯跳泡

Only producer of radio activity free glow switch  
全球唯一无电磁干扰  
World leading manufacturer and innovator  
技术领先的设计和生  
Environmental friendly production (free of Pb or Sb)  
环保型产品(无铅、镉)



## HID resin cement 高强度气体放电灯用灯头泥

Resin cement for GLS oven lamps and HID lamps  
高强度气体放电灯和烤箱用白炽灯专用灯头泥  
Guaranty of the torque strength during life  
保证灯寿命过程的扭力强度  
High temperature resistance  
耐高温  
Different levels of fluidity for different applications.  
多种流动性



## Emitter 电子粉

TYBT emitter for HPS  
高压钠灯电子粉  
YbaCa emitter for HPM  
汞灯电子粉

# MV Halogen 高压卤钨灯灯用材料

We develop and manufacture highly reliable components for halogen lamps, especially for MV halogen

我们开发并生产用于卤钨灯的优质的灯用材料,特别是针对高压卤钨灯的灯用材料(钨丝和灯丝)

Philips MV halogen coils have the advantage on wattage accuracy, sagging prevention.

飞利浦设计生产的用于高压卤钨灯的灯丝具有功率精确和防止下垂的优点

## Quartz 石英玻璃

PH300 clear fused quartz and PH361 UV block quartz

卤钨灯用PH300石英玻璃和PH361滤紫外石英玻璃

High transmission in visible region

可见光区域高透射率

Controlled blocking of harmful UV-light (PH361)

选择性过滤有害的紫外线

Low optical distortion

低光学失真率

Tight dimension tolerance

高尺寸精度



## Moly wire and foil 钼丝和钼箔

MY foil: Superior welding property and Philips patented material

钼箔(掺钨): 优越的焊接特性和飞利浦专利产品

MK wire: Superior quality and inert to halogen.

钼丝(掺钨): 优越的质量和与卤素起化学反应。

A life time guarantee.

灯使用寿命的安全保障



## MV halogen Coils 高压卤钨灯灯丝

Dedicated design for MV halogen lamps with superior Philips tungsten wire (non-sagging properly).

专为高压卤钨灯设计的灯丝,使用飞利浦生产的专有优质抗下垂钨丝。

Advanced production process/facility

先进生产工艺和设备

World leading manufacturer and innovator

全球领先的技术和生产厂商

Environmental friendly production (full recycling on pickling)

环保型生产(全而回收式酸洗工艺)

## Halogen tungsten wire 卤钨灯专用钨丝

Non-sagging properly

抗下垂特性

Consistency of re-crystallization behaviour

一致的再结晶特性

# Automotive lamp 汽车灯灯用材料

**We are the innovation leader in automotive lamps**

我们在汽车灯灯用材料领域处于技术领先地位

**We develop and manufacture unique components (quartz, cap and automotive wire) for automotive lamps**

我们为汽车灯开发并生产了多种特有灯用材料(石英玻璃, 汽车灯灯头和汽车灯用钨钼材料)

**We have full range components for automotive lamps.**

我们能生产并提供所有用于汽车灯的灯用材料

## Automotive HID quartz

### 汽车放电灯用石英玻璃

PH501 clear fused quartz for automotive HID lamps

用于汽车放电灯放电管的PH501石英玻璃

Extreme tight dimension tolerance

绝对精密的尺寸精度控制

Low OH content (<0.5ppm) and low airline level for perfect light beam

超低羟基含量(<0.5ppm) 和极低的气线数量以保证完美的光路

PH521 fused quartz with UV blocking and lower softening point for automotive HID headlight sleeves.

低软化温度和滤紫外光的PH501石英玻璃可以用作汽车放电灯放电管的外管套

PH361 fused quartz with UV block for automotive HID headlight sleeves

滤紫外光的PH361石英玻璃也可以用作汽车放电灯的放电管的外管套

## Automotive halogen head-lighting quartz

### 汽车头灯(卤钨灯系列)用石英玻璃

PH521 clear fused quartz with UV block and lower softening point

PH521 石英玻璃具有滤紫外和低软化温度的特性

Low softening point for efficient lamp making.

低软化温度可以提高灯制造效率

Good thermal shock resistance

良好的抗热冲击能力

Best UV protection for plastic front glasses.

给汽车前灯的塑料透镜提供最佳的滤紫外保护

Tight tolerance

精密的尺寸控制

High mechanical strength at high temperature

高温下良好的机械强度



## Caps for H8/9/11 H8/9/11车灯灯头



Innovation leadership in automotive lighting industry  
在汽车照明领域处于技术领先地位



## Moly wire and sleeve 钼丝和钼套管

MY foil: Superior welding property and Philips patented material

钼钎(钎钎): 优越的焊接特性和飞利浦专利产品

MK wire: Superior quality and inert to halogen.

钼丝(钎钎): 优越的质量和与卤素起化学反应。

A life time guarantee.

灯使用寿命的安全保障

## Caps for 800 series 800系列车灯灯头



Full range of caps for automotive lamps  
开发并生产全系列的汽车灯灯头



## H7 caps H7车灯灯头



ISO/QS and TS16949 certified  
通过ISO/QS 16949认证



## Tungsten wire 汽车卤钨灯专用钨丝

Philips wire has best in class smooth surface quality

飞利浦的汽车卤钨灯用钨丝具有最佳的光滑表面质量

Consistency of recrystallisation behavior

一致的再结晶特性

No deformation of coil during car use

在汽车使用寿命中不变形

Zero defect performance

零失效率

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# OTHER INNOVATIVE AREAS 新技术领域

We are also actively involved in other innovative areas:

飞利浦照明材料事业部也积极地参与以下新技术领域:

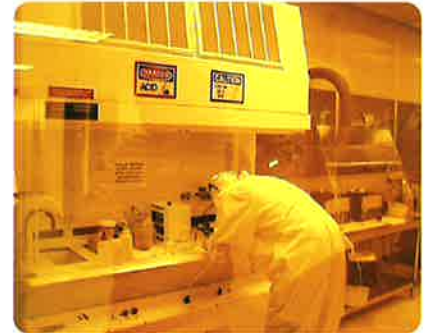
UHP 超高性能气体放电灯  
(用于数字投影)



LED (solid state lighting)  
发光二极管(固体光源)



Medical/body care  
医疗/个人护理



Semi-con industry  
半导体工业



Water treatment  
水净化处理

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